

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of Futoshi NAKAMURA, et al. Docket No: Q76597

Appln. No.: 10/564,316 Group Art Unit: 1775

Confirmation No.: 7489 Examiner: Unknown

Filed: June 21, 2006

For: MAGNETIC RECORDING MEDIUM USING GRAIN ISOLATION TYPE FILM AS UNDER LAYER, METHOD OF MANUFACTURING THE SAME, AND MAGNETIC RECORDING/REPRODUCING APPARATUS USING THE SAME

**REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT**

**ATTN:** Office of Initial Patent Examination  
Filing Receipt Correction  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We enclose a copy of the Official Filing Receipt for the above-identified application and request the following correction:

**Assignment for Published Patent Application**

SHOWA DENKO K.K.

KABUSHIKI KAISHA TOSHIBA

Verification for the requested correction is indicated on the Assignment and Recordation Document filed June 21, 2006.

Respectfully submitted,

*Sheldon I. Landsman*

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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: January 22, 2007



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
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 Alexandria, Virginia 22313-1450  
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/564,316	06/21/2006	1775	1230	Q76597	4	16	4

## CONFIRMATION NO. 7489

23373  
 SUGHRUE MION, PLLC  
 2100 PENNSYLVANIA AVENUE, N.W.  
 SUITE 800  
 WASHINGTON, DC 20037

## FILING RECEIPT



\*OC000000021691115\*

Date Mailed: 12/21/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Futoshi Nakamura, Ichikawa-shi, JAPAN;  
 Soichi Oikawa, Hachioji-shi, JAPAN;  
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 Kenji Shimizu, Chiba-shi, JAPAN;  
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ASSIGNMENT FOR PUBLISHED PATENT APPLICATION  
SHOWA DENKO K.K., KABUSHIKI KAISHA TOSHIBA

Power of Attorney: The patent practitioners associated with Customer Number 23373.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP04/10271 07/13/2004  
 which claims benefit of 60/489,487 07/24/2003

## Foreign Applications

JAPAN 2003-196559 07/14/2003

If Required, Foreign Filing License Granted: 12/20/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/564,316**

Projected Publication Date: 03/29/2007

For Non-U.S. Clients

# ASSIGNMENT

Whereas, I/we, (1) Futoshi NAKAMURA; (2) Soichi OIKAWA; (3) Takeshi IWASAKI; (4) Tomoyuki MAEDA; (5) Kenji SHIMIZU; and (6) Hiroshi SAKAI  
 c/o Intellectual Property Division, Toshiba Corporation, 1-1,  
 Address of (1) - (4) inventors: c/o Tdk. Ltd. Kaishi Toshiba, Ome Complex, 2-9, Suehirocho, Taro-shi,  
 Shibaura 1-chome,  
 Tokyo, Japan; and address of (5) - (6) inventors: c/o Showa Denko HD K.K., 5-1, Yawata Kaigan dori,  
 Ichihara-shi, Chiba-ken, Japan, hereinafter called assignor(s), have invented certain improvements in  
 MAGNETIC RECORDING MEDIUM USING GRAIN ISOLATION TYPE FILM AS UNDER LAYER,  
 METHOD OF MANUFACTURING THE SAME, AND MAGNETIC RECORDING/REPRODUCING APPARATUS  
 USING THE SAME

and executed an application for Letters Patent of the United States of America therefor on

Jan. 30              2006; and

Whereas, (1) Kabushiiki Kaisha Toshiba of 1-1-1, Shibaura, Minato-ku, Tokyo, Japan;  
 and (2) SHOWA DENKO K.K. of 13-9, Shibadaimon 1-chome, Minato-ku, Tokyo, Japan (assignee), desires to  
 acquire the entire right, title and interest in the application and invention, and to any United States and foreign  
 patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,  
 I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its  
 successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for  
 the United States of America and all countries foreign thereto, including the rights of priority under the  
 International Convention of Paris (1883) as amended, and I/we request the Director - U.S. Patent and Trademark  
 Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its  
 successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the  
 invention and I/we will execute without further consideration all papers deemed necessary by the assignee in  
 connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania  
 Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application  
 number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said  
 application when known.

Date: Jan. 30, 2006

s/ Futoshi Nakamura

Futoshi NAKAMURA

Date: Jan. 30, 2006

s/ Soichi Oikawa

Soichi OIKAWA

Date: Jan. 30, 2006

s/ Takeshi Iwasaki

Takeshi IWASAKI

Date: Jan. 30, 2006

s/ Tomoyuki Maeda

Tomoyuki MAEDA

4-0407505 OSP-19459

US 2/2

Date: Jan. 30, 2006

s/ Kenji Shimizu

Date: Jan. 30, 2006

s/ Hiroshi Sakai

Kenji SHIMIZU

Hiroshi SAKAI

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 07, 2006

PTAS



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DOC DATE: 01/30/2006

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SERIAL NUMBER: 10564316

FILING DATE:

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ISSUE DATE:

TITLE: MAGNETIC RECORDING MEDIUM USING GRAIN ISOLATION TYPE FILM AS UNDER LAYER, METHOD OF MANUFACTURING THE SAME, AND MAGNETIC RECORDING/REPRODUCING APPARATUS USING THE SAME

JEEVON JONES, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION